WHAT IS CLAIMED IS:

1. An electronic apparatus having a movable portion to be moved by a driving force of a drive power source between a first position and a second position against a main body comprising:

energizing device for energizing said movable portion over an area between the first position and the second position; and

changing device for changing a energizing force of said energizing device to energize said movable portion between the first position and the second position.

2. The electronic apparatus according to claim 1, wherein a load on said driving power source when said movable portion is positioned between the center of the first and second positions and the first position is larger than a load on said driving power source when said movable portion is positioned between the center of the first and second positions and the second position, and said changing device changes a first energizing force of said energizing device to energize said movable portion positioned between the center of the first and second positions and the first position smaller than a second energizing force of said energizing device to energize said movable portion positioned between the center of the first and second positions and the second position.

3. The electronic apparatus according to claim 2, wherein said changing device has a first zone in which said energizing device energizes said movable portion with the first energizing force when said movable portion is positioned between the center

of the first and second positions and the first position, a second zone in which said energizing device energizes said movable portion with the second energizing force when said movable portion is positioned between the center of the first and second positions and the second position, and a transition zone, being disposed between the first zone and the second zone, in which said energizing force of said energizing device is gradually changed from the first energizing force to the second energizing force while said movable portion moves from the first position to the second position, and said energizing force of said energizing device is gradually changed from the second energizing force to the first energizing force while said movable portion moves from the second position to the first position.

4. The electronic apparatus according to claim 2, wherein said changing device increases said energizing force of said energizing device gradually from the first energizing force to the second energizing force while said movable portion moves from the first position to the second position, and decreases said energizing force of said energizing device gradually from the second energizing force to the first energizing force while said movable portion moves from the second position to the first position.

5. The electronic apparatus according to claim 2, wherein said changing device increases said energizing force of said energizing device stepwise from the first energizing force to

the second energizing force while said movable portion moves from the first position to the second position, and decreases said energizing force of said energizing device stepwise from the second energizing force to the first energizing force while said movable portion moves from the second position to the first position.

6. The electronic apparatus according to claim 1, further comprising a energized member to contact with said changing device and a energizing member to energize said energized member toward said changing device, wherein said changing device is disposed in one of said movable portion and said main body and said energizing device is disposed in the other of said movable portion and said main body.

7. The electronic apparatus according to claims 1, wherein said movable portion is a front panel, one end portion thereof being mounted slidably along one surface of said main body and the other end portion thereof being mounted to project and return freely against the one surface of said main body.

8. The electronic apparatus according to claim 7, wherein the other end portion of said front panel is supported by a movable arm being mounted slidably in a direction of intersecting the one surface of said main body so as to project and return against the one surface of said main body.

9. The electronic apparatus according to claim 6 or 7, wherein said energizing device has a first energizing device, the first energizing device including a roller being supported rotatably

at the one end of said front panel and a first energizing member for energizing said roller outward of said front panel, wherein said changing device is received said roller to penetrate therein, and a depth of a first portion which said roller penetrates into when said front panel is positioned at the first position and a depth of a second portion which said roller penetrates into when said front panel is positioned at the second position are different.

10. The electronic apparatus according to claim 8, wherein said energizing device has a second energizing device for energizing said movable arm, the second energizing device including a rotating member being supported rotatably at said main body and a second energizing member for energizing said rotating member toward said movable arm, wherein said changing device is contacted with said rotating member, and a height of a first portion at which said rotating member contacts when said movable arm is positioned at the first position and a height of a second portion at which said rotating member contacts when said movable arm is positioned at the second position are different.